RAW SEQUENCE LISTING   DATE: 11/06/2001
PATENT APPLICATION: US/09/904,380   TIME: 12:15:14

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Output Set: **N:\CRF3\11062001\I904380.raw**

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  3 <110> APPLICANT: Jane H. Morse and James A. Knowles
  5 <120> TITLE OF INVENTION: Role of PPH1 Gene in Pulmonary Hypertension
  7 <130> FILE REFERENCE: 0575/62430-A/JPW/SHS
  9 <140> CURRENT APPLICATION NUMBER: 09/904,380
 10 <141> CURRENT FILING DATE: 2001-10-15
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247          35                  40                  45
250 Gly Glu Ser Arg Ile Ser His Glu Asn Gly Thr Ile Leu Cys Ser Lys
251      50                  55                  60
254 Gly Ser Thr Cys Tyr Tyr Gly Leu Trp Glu Lys Ser Lys Gly Asp Ile
255 65                  70                  75                  80
258 Asn Leu Val Lys Gln Gly Cys Cys Trp Ser His Ile Gly Asp Pro Gln
259                  85                  90                  95
262 Glu Cys His Tyr Glu Glu Cys Val Val Thr Thr Thr Pro Pro Ser Ile
263              100                 105                 110
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267          115                 120                 125
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271      130                 135                 140
274 Leu Ser Pro Pro His Ser Phe Asn Arg Asp Glu Thr Ile Ile Ile Ala
275 145                 150                 155                 160
278 Leu Ala Ser Val Ser Val Leu Ala Val Leu Ile Val Ala Ala Leu Cys
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291     210                 215                 220
294 Val Val Tyr Lys Gly Ser Leu Asp Glu Arg Pro Val Ala Val Lys Val
295 225             230                 235                 240
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299             245                 250                 255
302 Tyr Arg Val Pro Leu Met Glu His Asp Asn Ile Ala Arg Phe Ile Val
303             260                 265                 270
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307         275                 280                 285
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311     290                 295                 300
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315 305                 310                 315                 320
318 Thr Arg Gly Leu Ala Tyr Leu His Thr Thr Glu Leu Pro Arg Gly Asp
319             325                 330                 335
322 His Tyr Lys Pro Ala Ile Ser His Arg Asp Leu Leu Asn Ser Arg Asn
323             340                 345                 350
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330 Ser Met Arg Leu Thr Gly Asn Arg Leu Val Arg Pro Gly Gly Glu Glu
331     370                 375                 380
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335 385                 390                 395                 400
338 Pro Glu Val Leu Glu Gly Ala Val Asn Leu Arg Asp Cys Glu Ser Ala
339             405                 410                 415
342 Leu Lys Gln Val Asp Met Tyr Ala Leu Gly Leu Ile Tyr Trp Glu Ile
343             420                 425                 430
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350 Tyr Gln Met Met Ala Phe Gln Thr Glu Val Gly Asn His Pro Thr Phe
351     450                 455                 460
354 Glu Asp Met Gln Val Leu Val Ser Arg Glu Lys Gln Arg Pro Lys Phe
355 465                 470                 475                 480
358 Pro Glu Ala Trp Lys Lys Glu Asn Ser Leu Ala Val Arg Ser Leu Lys
359             485                 490                 495
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363             500                 505                 510
366 Thr Ala Gln Cys Ala Glu Glu Arg Met Ala Glu Leu Met Met Ile Trp
367         515                 520                 525
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371     530                 535                 540
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375 545                 550                 555                 560
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391      610·             615              620
394 Glu Thr Ser Val Thr Ser Leu Ser Thr Asn Thr Thr Thr Thr Asn Thr
395 625              630              635              640
398 Thr Thr Gly Leu Thr Pro Ser Thr Gly Met Thr Thr Ile Ser Glu Met
399              645              650              655
402 Pro Tyr Tyr Pro Asp Glu Thr Asn Leu His Thr Thr Asn Val Ala Gln
403          660              665              670
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407          675              680              685
410 Glu Thr Asn Lys Lys Leu Asp Pro Lys Glu Val Asp Lys Asn Leu Lys
411      690              695              700
414 Glu Ser Ser Asp Glu Asn Asn Leu Met Glu His Ser Leu Lys Gln Phe
415 705              710              715              720
418 Ser Gly Pro Asp Pro Leu Ser Ser Thr Ser Ser Ser Leu Leu Tyr Pro
419    ·             725              ·730             735
422 Leu Ile Lys Leu Ala Val Glu Ala Ala Thr Gly Gln Gln Gln Asp Phe
423          740·             745              750
426 Thr Gln Thr Ala Asn Gly Gln Ala Cys Leu Ile Ile Pro Asp Val Leu
427          755              760              765
430 Pro Thr Gln Ile Tyr Pro Leu Pro Lys Gln Gln Asn Leu Pro Lys Arg
431      770              775              780
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435 785              790              795              800
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442 Glu Thr Gly Val Ala Lys Met Asn Thr Ile Asn Ala Ala Glu Pro His
443          820              825              830
446 Val Val Thr Val Thr Met Asn Gly Val Ala Gly Arg Asn His Ser Val
447          835              840              845
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451      850              855              860
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455 865              870              875              880
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462 Ser Pro Asp Glu His His Glu Pro Leu Leu Arg Arg Glu Gln Gln Ala
463          900              905              910
466 Gly His Asp Glu Gly Val Leu Leu Asp Arg Leu Val Asp Arg Arg Glu
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